

Application No. 10/005,532
Response to Office Action

Customer No. 01933

Listing of Claims:

Claims 1 and 2 (Canceled).

3. (Currently Amended) A disk inspection apparatus for irradiating an inspection light on a surface of a rotating disk and inspecting surface conditions of the disk based on a reflected light, said disk inspection apparatus comprising:

5 a turning table for rotating the disk;

a photosensor body disposed opposite to the surface of the disk; and

a transfer means for reciprocally transferring the photosensor body in a direction perpendicular to a rotating
10 direction of the disk along the surface of the disk;

wherein the photosensor body comprises ~~a~~ at least one fiber array constructed by arranging a plurality of separate sensor units as multi-channels, and

wherein each of the sensor units comprises:

15 a light-applying fiber,

a light-receiving fiber which is bundled with the light-applying fiber to form a fiber bundle consisting of one light-applying fiber and one light-receiving fiber,

a laser beam source to emit the inspection light to the
20 light-applying fiber,

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a photosensor to receive the reflected light via the
light-receiving fiber, and

an objective optical system provided at a front end of
the fiber bundle.

4. (Currently Amended) The disk inspection apparatus
according to Claim 3, wherein the at least one fiber array
comprises a plurality of the fiber arrays and the sensor units of
the fiber arrays are arranged in plural respective lines in a
5 state such that positional phases of adjacent fiber arrays are
shifted with respect to the surface of the disk.